

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1498	((hierarch\$4 or tree) with (storag\$3 or repositor\$3 or database) with manag\$5).ab,ti,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:03
L2	255	((hierarch\$4 or tree) with (storag\$3 or repositor\$3 or database) with backup)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 06:55
L3	38	1 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 06:55
L4	3461	(backup with (periodic\$4 or interval or cycle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:11
L5	6	3 and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 06:55
L6	4	5 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:07
L7	14	1 and 4 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:12
L8	4535	((backup or archiv\$3) with (periodic\$4 or interval or cycle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:25

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L9	17	1 and 8 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:39
L10	2472289	((backup or archiv\$3) with (chang\$3 or dynamic)(periodic\$4 or interval or cycle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:25
L11	349	((backup or archiv\$3) with (chang\$3 or dynamic) with (periodic\$4 or interval or cycle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:02
L12	8	1 and 11 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:11
L13	2380	((hierarch\$4 or tree or director\$3) with (storag\$3 or repositor\$3 or database) with manag\$5).ab,ti,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:10
L14	27	13 and 8 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:04
L15	0	14 and (determin43 with (copy or migrat\$3 ro replica))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 07:40
L16	7	14 and (determin\$3 with (copy or migrat\$3 ro replica))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:12

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L17	30	((backup or archiv\$3) with (chang\$3 or dynamic) with (periodic\$4 or interval or cycle)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:10
L18	0	((hierarch\$4 or tree) with (storag\$3 or repositor\$3 or database) with manag\$5) and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:02
L19	34	((hierarch\$4 or tree) with (storag\$3 or repositor\$3 or database) with backup).ab,ti,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:03
L20	1	19 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:03
L21	9	13 and 11 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:04
L22	142	13 and (707/200-204).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:11
L23	8	22 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 08:09
L24	595	((hierarch\$4 or tree or director\$3) with (storag\$3 or repositor\$3 or database) with backup)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:17

EAST Search History

L25	1277246	((backup or archiv\$3) with (chang\$3 or dynamic) with (periodic\$4 or interval or cycle)). ab", ti, "clm."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:11
L26	50	24 and 25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:11
L27	15	26 and (707/200-204).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:11
L28	41	26 and @ad<"20040414"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:11
L29	15	28 and (determin\$3 with (copy or migrat\$3 ro replica))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:16
L31	27	28 and (need\$3 with (copy or migrat\$3 ro replica))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:17
L32	27	31 and 24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/27 09:17

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Backup Software Request for Information

Any backup of a raw device is therefore typically a **full backup**. However, a backup product ... This would allow a true **incremental backup** of this device. ...
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Incremental backup—Backs up selected files that have been changed. If a file has been changed for a second or subsequent time since the last **full backup**, ...
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table since the last full or **incremental backup** of the table. Partial **full backup**. When you do a partial backup of a database you don't ...
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Windows NT Server: Implementing Systems for Reliability and ...

To restore, the **full backup** is restored, then the last **incremental backup**. If the **full backup** is bad, then the incremental tape is worthless. ...
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Glossary

An **incremental backup** includes only those files that have changed in some way since the last backup was made. See **Full backup**. ...
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[PDF] Oracle 10.2

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tion within a time **period** which was very reasonable ... Weekly **full backup** to tape completing in ... also implemented in a **two-tier** architecture to ...
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The restore-only recovery method makes use of an offline, **full backup** copy ... A level-1 (**incremental**) **backup** can be restored, but you will be prompted to ...
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[PDF] Word Pro - FINALLONG.lwp

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Executes non-select **dynamic** SQL statements in a DB2 utility job. EXEC SQL.
Description ... Merges **incremental backup** copies to **full backup** copies. MERGECOPY ...

www-128.ibm.com/developerworks/db2/library/techarticle/0207chong/0207chongzos.pdf - [Similar pages](#)

Graphical editor for defining and creating a computer system - US ...

For example, a computer system may be structured in a **two-tier** architecture, ... daily **incremental backup**, weekly **full backup**, monthly off-line backup). ...

www.patentstorm.us/patents/7093005-description.html - 164k - [Cached](#) - [Similar pages](#)

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Backup strategy. Description. Frequency Retention **Period** Storage. System data. **Full backup**. Weekly. 3 months. Tape, offsite. **Incremental backup** Daily ...
unfccc.int/.../initial_reports_under_the_kyoto_protocol/
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For instance, restoration will be slower in an **incremental backup**. system, which must begin with the last **full backup** and apply changes from subsequent ...
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An example of a **two-tier** system is shown in Figure 11.2. ... If you are doing an **incremental backup**, you can set the level of the backup here. ...
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SQL was initially defined over a **period** of years by IBM. Research, but it was Oracle Corporation that first introduced it to the market in 1979. ...
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MoSAIC: Mobile System Availability Integrity and Confidentiality. Page 1 Action Concertée
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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

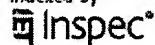
IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

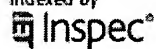
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1 [TRAP-Array: A Disk Array Architecture Providing Timely Recovery to Any Point-in-](#)


[time](#)

Qing Yang, Weijun Xiao, Jin Ren

 May 2006 **ACM SIGARCH Computer Architecture News , Proceedings of the 33rd annual international symposium on Computer Architecture ISCA '06**, Volume 34 Issue 2

Publisher: IEEE Computer Society, ACM Press

 Full text available: [pdf\(379.07 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

RAID architectures have been used for more than two decades to recover data upon disk failures. Disk failure is just one of the many causes of damaged data. Data can be damaged by virus attacks, user errors, defective software/firmware, hardware faults, and site failures. The risk of these types of data damage is far greater than disk failure with today's mature disk technology and networked information services. It has therefore become increasingly important for today's disk array to be able to ...

2 [Selected IR-Related Dissertation Abstracts](#)


 February 1992 **ACM SIGIR Forum**, Volume 26 Issue 1

Publisher: ACM Press

 Full text available: [pdf\(2.24 MB\)](#) Additional Information: [full citation](#)

3 [Selected IR-Related Dissertation Abstracts](#)


 March 1993 **ACM SIGIR Forum**, Volume 27 Issue 1

Publisher: ACM Press

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4 [Dissemination and routing: Interest dissemination with directional antennas for wireless sensor networks with mobile sinks](#)



Yihong Wu, Lin Zhang, Yiqun Wu, Zhisheng Niu

October 2006 **Proceedings of the 4th international conference on Embedded networked sensor systems SenSys '06**

Publisher: ACM Press

Full text available: pdf(749.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Introducing mobile data sinks into wireless sensor networks (WSNs) improves the energy efficiency and the network lifetime, and is demanded for many application scenarios, such as battlefield vehicle security, mobile data acquisition, and cellular phone based sensor networks. However, highly mobile sink nodes cause frequent topology changes, resulting in high packet loss rate and poor energy efficiency of traditional reactive WSN routing algorithms. A directional-antenna-assisted reactive routin ...

Keywords: antenna directivity, cross-layer optimization, mobile sink, reactive routing, wireless sensor network

5 High speed on-line backup when using logical log operations



David B. Lomet

May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00**, Volume 29 Issue 2

Publisher: ACM Press

Full text available: pdf(220.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Media recovery protects a database from failures of the stable medium by maintaining an extra copy of the database, called the backup, and a media recovery log. When a failure occurs, the database is "restored" from the backup, and the media recovery log is used to roll forward the database to the desired time, usually the current time. Backup must be both fast and "on-line", i.e. concurrent with on-going update activity. Conventional online backup sequentially copies ...

6 The elements of nature: interactive and realistic techniques



Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.65 MB) Additional Information: [full citation](#), [abstract](#)

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives on the difficult task of photorealistic modeling, rendering, and animation of natural phenomena. The course offers a nice balance of the latest interactive graphics hardware-based simulation techniques and the latest physics-based simulation techni ...

7 The SNet model: access, security and e-services for students



Anand Padmanabhan

September 2003 **Proceedings of the 31st annual ACM SIGUCCS conference on User services SIGUCCS '03**

Publisher: ACM Press

Full text available: pdf(313.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper will explore the SNet model that Hunter College of the City University of New York developed and implemented. During the Spring of 2002, CUNY as a central organization (3rd largest in the country) envisioned a plan and strategy to enhance e-services to all their students, faculty and administrators. From this 'master' vision, Hunter College designed and derived the SNet model to provide efficient and effective services to

students. This model not only looks at just providing eServices ...

Keywords: SNet, communication, eServices, email, higher education, information technology, model, wireless

8 Progress report: Brown university instructional computing laboratory



Marc H. Brown, Robert Sedgewick

January 1984 **ACM SIGCSE Bulletin , Proceedings of the fifteenth SIGCSE technical symposium on Computer science education SIGCSE '84**, Volume 16 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.15 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An instructional computing laboratory, consisting of about 60 high-performance, graphics-based personal workstations connected by a high-bandwidth, resource-sharing local area network, has recently become operational at Brown University. This hardware, coupled with an innovative courseware/software environment, is being used in the classroom in an attempt to radically improve the state of the art of computer science pedagogy. This paper describes the current state of the project. T ...

9 Factors affecting the performance of distributed applications



Keith A. Lantz, William I. Nowicki, Marvin M. Theimer

June 1984 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM symposium on Communications architectures and protocols: tutorials & symposium SIGCOMM '84**, Volume 14 Issue 2

Publisher: ACM Press

Full text available: [pdf\(911.51 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A major reason for the rarity of distributed applications, despite the proliferation of networks, is the sensitivity of their performance to various aspects of the network environment. Contrary to much popular opinion, we demonstrate that CPU speed remains the predominant factor. With respect to network issues, we focus on two approaches to performance enhancement: (1) Improving the performance of reliable, byte-stream protocols such as TCP; (2) the use of high-level protocols that reduce t ...

10 The GemStone object database management system



Paul Butterworth, Allen Otis, Jacob Stein

October 1991 **Communications of the ACM**, Volume 34 Issue 10

Publisher: ACM Press

Full text available: [pdf\(6.60 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: GemStone, database management systems, object-oriented

11 Query processing and optimization: Adaptive nearest neighbor queries in travel time networks



Wei-Shinn Ku, Roger Zimmermann, Haojun Wang, Chi-Ngai Wan

November 2005 **Proceedings of the 13th annual ACM international workshop on Geographic information systems GIS '05**

Publisher: ACM Press

Full text available: [pdf\(410.24 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Nearest neighbor (NN) searches represent an important class of queries in geographic

information systems (GIS). Most nearest neighbor algorithms rely on static distance information to compute NN queries (e.g., Euclidean distance or spatial network distance). However, the final goal of a user when performing an NN search is often to travel to one of the points of the search result. In this case, finding the nearest neighbors in terms of travel time is more important than the actual distance. In t ...


Keywords: advanced traveler information systems, location-based services, nearest neighbor query, travel time network

12 Kernel korner: ATA over ethernet: putting hard drives on the lan ☐

Ed L. Cashin

June 2005 **Linux Journal**, Volume 2005 Issue 134

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [html\(23.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

2

13 VIRACOCOA: An Efficient Parallelization Framework for Large-Scale CFD Post-Processing in Virtual Environments ☐

Andreas Gerndt, Bernd Hentschel, Marc Wolter, Torsten Kuhlen, Christian Bischof

November 2004 **Proceedings of the 2004 ACM/IEEE conference on Supercomputing SC '04**

Publisher: IEEE Computer Society

Full text available:  [pdf\(421.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)

One recommended strategy for the analysis of CFD-data is the interactive exploration within virtual environments. Common visualization systems are unable to process large data sets while carrying out real-time interaction and visualization at the same time. The obvious idea is to decouple flow feature extraction from visualization. This paper covers the functionality of the parallel CFD post-processing toolkit Viracocha. Two aspects are discussed in more detail. The first approach covers strateg ...

Keywords: CFD Post-Processing, Virtual Reality, Parallelization, Caching, Prefetching, Data Streaming, Multi-Resolution

14 Dynamic behavior of differential pricing and quality of service options for the Internet ☐



Peter C. Fishburn, Andrew M. Odlyzko

October 1998 **Proceedings of the first international conference on Information and computation economies ICE '98**

Publisher: ACM Press

Full text available:  [pdf\(1.25 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 A comparison study of the two-tier and the single-tier personal communications services systems ☐

Yi-Bing Lin

August 1996 **Mobile Networks and Applications**, Volume 1 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(364.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A two-tier PCS system integrates the high tier PCS system and the low tier PCS systems into a single system to provide the advantages of both tiers. Such a system is expected to provide better service (more available and more cost effective to the users) at the

expense of the extra tier switching management. We compare the performance of the two-tier PCS system and the single low tier system in two aspects: the registration traffic and the service availability. Because of the tier management ...

16 A two-tier memory architecture for high-performance multiprocessor systems



T. M. Nguyen, V. P. Srin, A. M. Despain

June 1988 **Proceedings of the 2nd international conference on Supercomputing ICS '88**

Publisher: ACM Press

Full text available: [pdf\(1.38 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Performance of high-speed multiprocessor systems is limited by the available bandwidth to memory and the need to synchronize write sharable data. This paper presents a new memory system that separates synchronization related data from others. The memory system has two tiers: synchronization memory and high bandwidth (HB) memory. The synchronization memory consists of snooping caches connected to a bus and is used to store synchronization variables such as locks and semaphores. The H ...

17 TTDD: two-tier data dissemination in large-scale wireless sensor networks



Haiyun Luo, Fan Ye, Jerry Cheng, Songwu Lu, Lixia Zhang

January 2005 **Wireless Networks**, Volume 11 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(501.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Sink mobility brings new challenges to data dissemination in large sensor networks. It suggests that information about each mobile sink's location be continuously propagated throughout the sensor field in order to keep all sensors informed of the direction of forwarding future data reports. Unfortunately, frequent location updates from multiple sinks can lead to both excessive drain of sensors' limited battery supply and increased collisions in wireless transmissions. In this paper, we describe ...

Keywords: data dissemination, mobile sink, model, sensor network, two-tier

18 Tokenless static data flow using associative templates



T. L. Sterling, D. S. Wills, E. Y. Chan

November 1988 **Proceedings of the 1988 ACM/IEEE conference on Supercomputing Supercomputing '88**

Publisher: IEEE Computer Society Press

Full text available: [pdf\(1.17 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The static data flow model of computation promises high performance from fine grained parallelism, but conventional token-driven static data flow architectures are inefficient in terms of memory bandwidth and microcycles required per operation. The associative template mechanism, a new application of associative techniques, employs specially configured content-addressable memories to provide efficient flow control for static data flow program execution. It supports static data flow ...

19 A two-tier heterogeneous mobile Ad Hoc network architecture and its load-balance routing problem



Chi-Fu Huang, Hung-Wei Lee, Yu-Chee Tseng

August 2004 **Mobile Networks and Applications**, Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(1.28 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The mobile ad hoc network (MANET) has attracted a lot of interest recently. However,

most of the existing works have assumed a stand-alone MANET. In this paper, we propose a two-tier, heterogeneous MANET architecture which can support Internet access. The low tier of the network consists of a set of mobile hosts each equipped with a IEEE 802.11 wireless LAN card. In order to connect to the Internet and handle the network partitioning problem, we propose that the high tier is comprised of a subse ...

Keywords: ad hoc network, load balance, mobile computing, routing, wireless network

20 Sensor Networks: A two-tier data dissemination model for large-scale wireless sensor ☐



networks

Fan Ye, Haiyun Luo, Jerry Cheng, Songwu Lu, Lixia Zhang

September 2002 **Proceedings of the 8th annual international conference on Mobile computing and networking MobiCom '02**

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Keywords: sensor networks, sink mobility, two-tier model

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